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PTO/SB/05 (2/98)

Approved for use through 09/30/2000 OMB 0651-0032  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR § 1.53(h))

Attorney Docket No.	1089.0350001/DKSC/TUM
First Inventor or Application Identifier	QIU et al.
Title	A Piezoelectric Element and Method of Manufacturing Same (as amended)
Express Mail Label No.	

APPLICATION ELEMENTS  
See MPEP chapter 600 concerning utility patent application contents

ADDRESS TO  
Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

1. ☒ \* Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original, and a duplicate for fee processing)
2. ☒ Specification [Total Pages 53 ]  
(preferred arrangement set forth below)
  - Descriptive title of the Invention
  - Cross References to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to Microfiche Appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
3. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 15 ]
4. ☒ Oath or Declaration [Total Pages 6 ]
  - a. ☐ Newly executed (original or copy)
  - b. ☒ Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 17 completed)  
[Note Box 5 below]
    - I. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR §§ 1.63(d)(2) and 1.33(b).
5. ☒ Incorporation By Reference (useable if Box 4b is checked)  
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein

6. ☐ Microfiche Computer Program (Appendix)
7. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - a. ☐ Computer Readable Copy
  - b. ☐ Paper Copy (identical to computer copy)
  - c. ☐ Statement verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

8. ☐ Assignment Papers (cover sheet & document(s))
  9. ☐ 37 CFR 3.73(b) Statement ☐ Power of Attorney  
(when there is an assignee)
  10. ☐ English Translation Document (if applicable)
  11. ☒ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
  12. ☒ Preliminary Amendment
  13. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
  14. ☐ \*Small Entity Statement(s) ☐ Statement filed in prior  
(PTO/SB/09-12) application, Status still proper and desired
  15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
  16. ☒ Other: 37 C.F.R. § 1.136(a)(3) Authorization  
☒ Other Request to Approve Proposed Drawing Correction
- \*NOTE FOR ITEMS 1 & 14: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28)

17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment:

☐ Continuation ☒ Divisional ☐ Continuation-in-Part (CIP) of prior application No: 09/534,573

Prior application information: Examiner C. Koslow Group/Art Unit: 1755

## 18. CORRESPONDENCE ADDRESS

☐ Customer Number  
or Bar Code Label

(Insert Customer No. or Attach bar code label here)

or ☒ Correspondence  
address below

NAME	STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.				
	Attorneys at Law				
ADDRESS	Suite 600, 1100 New York Avenue, N.W.				
CITY	Washington	STATE	DC	ZIP CODE	20005-3934
COUNTRY	USA	TELEPHONE	(202) 371-2600	FAX	(202) 371-2540

NAME (Print/Type)	Teresa U. Medler	Registration No. (Attorney/Agent)	44,933
SIGNATURE		Date	1/18/02

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# FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$740.00)

## Complete if Known

Application Number	To Be Assigned
Filing Date	January 18, 2002
First Named Inventor	Qiu
Examiner Name	To Be Assigned
Group Art Unit	To Be Assigned
Attorney Docket No.	1089.0350001/DKSC/TUM

## METHOD OF PAYMENT (check one)

1. ☐ The Commissioner is hereby authorized to charge indicated fees and credit any overpayment to:

Deposit Account Number

19-0036

Deposit Account Name

Sterne, Kessler, Goldstein & Fox P.L.L.C.

- ☐ Charge Any Additional Fee Required  
Under 37 CFR §§ 1.16 and 1.17

- ☐ Applicant claims small entity status  
See 37 CFR 1.27

2. ☒ Payment Enclosed

- ☒ Check ☐ Credit card ☐ Money Order ☒ Other\*

\*Charge any deficiencies or credit any overpayments in the fees or fee calculations of Parts 1, 2 and 3 below to Deposit Account No. 19-0036

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
101	740	201	370	Utility filing fee	\$740.00
106	330	206	165	Design filing fee	
107	510	207	255	Plant filing fee	
108	740	208	370	Reissue filing fee	
114	160	214	80	Provisional filing fee	

SUBTOTAL (1) (\$740.00)

### 2. EXTRA CLAIM FEES

Extra	Fee from below	Fee Paid
Total Claims 10 - 20** = 0	X	= 0
Indep. Claims 3 - 3** = 0	X	= 0
Multiple Dependent		=

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description
103	18	203	9	Claims in excess of 20
102	84	202	42	Independent claims in excess of 3
104	280	204	140	Multiple dependent claim
108	84	209	42	**Reissue independent claims over original patent
110	18	210	9	**Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$0)

\*\* or number previously paid, if greater. For Reissues, see above.

### 3. ADDITIONAL FEES

Large Entity Small Entity

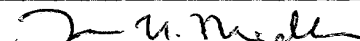
Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee paid
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for <i>ex parte</i> reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	400	216	200	Extension for reply within second month	
117	920	217	460	Extension for reply within third month	
118	1,440	218	720	Extension for reply within fourth month	
128	1,960	228	980	Extension for reply within fifth month	
119	320	219	160	Notice of Appeal	
120	320	220	160	Filing a brief in support of an appeal	
121	280	221	140	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,280	241	640	Petition to revive - unintentional	
142	1,280	242	640	Utility issue fee (or reissue)	
143	460	243	230	Design issue fee	
144	620	244	310	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	130	123	130	Petitions related to provisional applications	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	481	40	Recording each patent assignment per property (times number of properties)	
146	740	246	370	Filing a submission after final rejection (37 CFR 1.129(a))	
149	740	249	370	For each additional invention to be examined (37 CFR 1.129(b))	
179	740	279	370	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	
Other fee (specify)					
Other fee (specify)					

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$0)

## SUBMITTED BY

## Complete (if applicable)

Name (Print/Type)	Teresa U. Medler	Registration No. (Attorney/Agent)	44,933	Telephone	202-371-2600
Signature		Date	1/18/02		

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\*LIMITED TO MATTERS  
AND PROCEEDINGS BEFORE  
FEDERAL COURTS & AGENCIES  
\*\*REGISTERED PATENT AGENT  
\*\*\*SENIOR COUNSEL

January 18, 2002

WRITER'S DIRECT NUMBER:

(202) 371-2578

INTERNET ADDRESS:

TMEDLER@SKGF.COM

Commissioner for Patents  
Washington, D.C. 20231

**Box Patent Application**

Re: U.S. Non-Provisional Utility Patent Application under 37 C.F.R. § 1.53(b)  
Appl. No. To Be Assigned; Filed: January 18, 2002  
(Divisional of U.S. Appl. No. 09/534,573; Filed: March 27, 2000)  
For: **A Piezoelectric Element and Method of Manufacturing Same (as amended)**  
Inventors: QIU *et al.*  
Our Ref: 1089.0350001/DKSC/TUM

Sir:

The following documents are forwarded herewith for appropriate action by the U.S. Patent and Trademark Office:

1. Fee Transmittal Form (PTO/SB/17) (in duplicate);
2. USPTO Utility Patent Application Transmittal Form PTO/SB/05;
3. U.S. Utility Patent Application entitled:

Method for Manufacturing Piezoelectric Material

and naming as inventors:

Hong QIU  
Koji SUMI

Commissioner for Patents

January 18, 2002

Page 2

Tsutomu NISHIWAKI  
Masanori OKUYAMA  
Zhiqiang WEI

the application comprising:

- a. specification containing:
    - i. 44 pages of description prior to the claims;
    - ii. 8 pages of claims (29 claims);
    - iii. a one (1) page abstract;
  - b. 15 sheets of drawings: (Figures 1, 2, 3(A)-3(E), 4-15); and
  - c. a copy of the executed combined Declaration and Power of Attorney, as originally filed in U.S. Appl. No. 09/534,573;
4. Application Data Sheet;
  5. Preliminary Amendment;
  6. Request to Approve Proposed Drawing Correction with a copy of FIG.3 with proposed corrections marked in red;
  7. Information Disclosure Statement (in duplicate);
  8. Form PTO-1449 (one sheet);
  9. 37 C.F.R. § 1.136(a)(3) Authorization to Treat a Reply As Incorporating An Extension of Time (in duplicate);
  10. Two (2) return postcards; and
  11. Our check no. 33882 to cover: \$740.00 filing fee for patent application (37 C.F.R. § 1.16).

Commissioner for Patents

January 18, 2002

Page 3

It is respectfully requested that, of the two attached postcards, one be stamped with the filing date of these documents and returned to our courier, and the other, prepaid postcard, be stamped with the filing date and unofficial application number and returned as soon as possible.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Teresa U. Medler

Attorney for Applicants

Registration No. 44,933

DKSC/TUM:hmb

Enclosures

P:\USERS\HBEALE\TUM\1089\0350001\1-9-01 pto ltr  
SKGF Rec. 3/7/00 dew